

FIG. 2

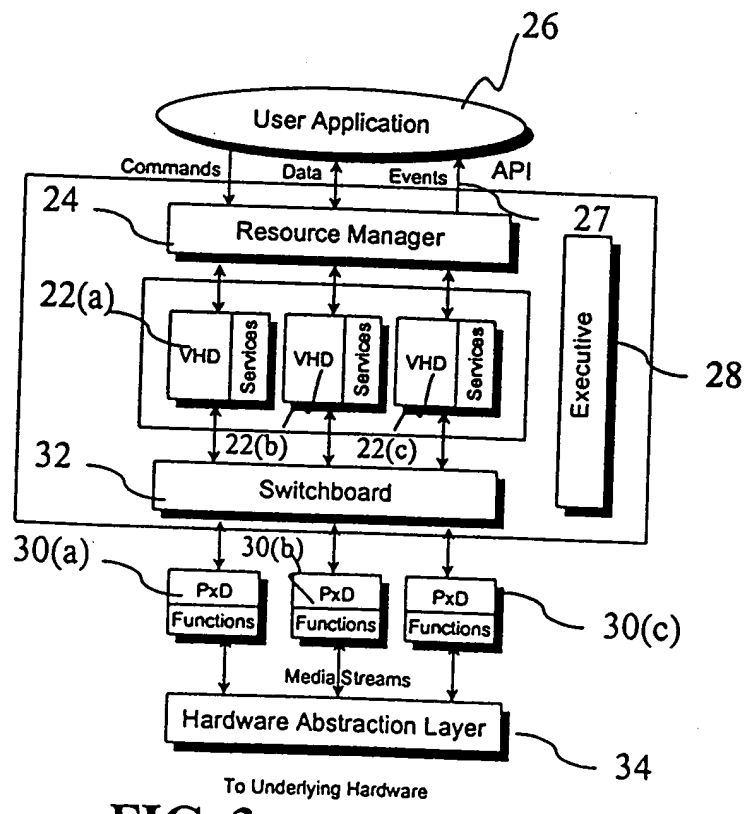
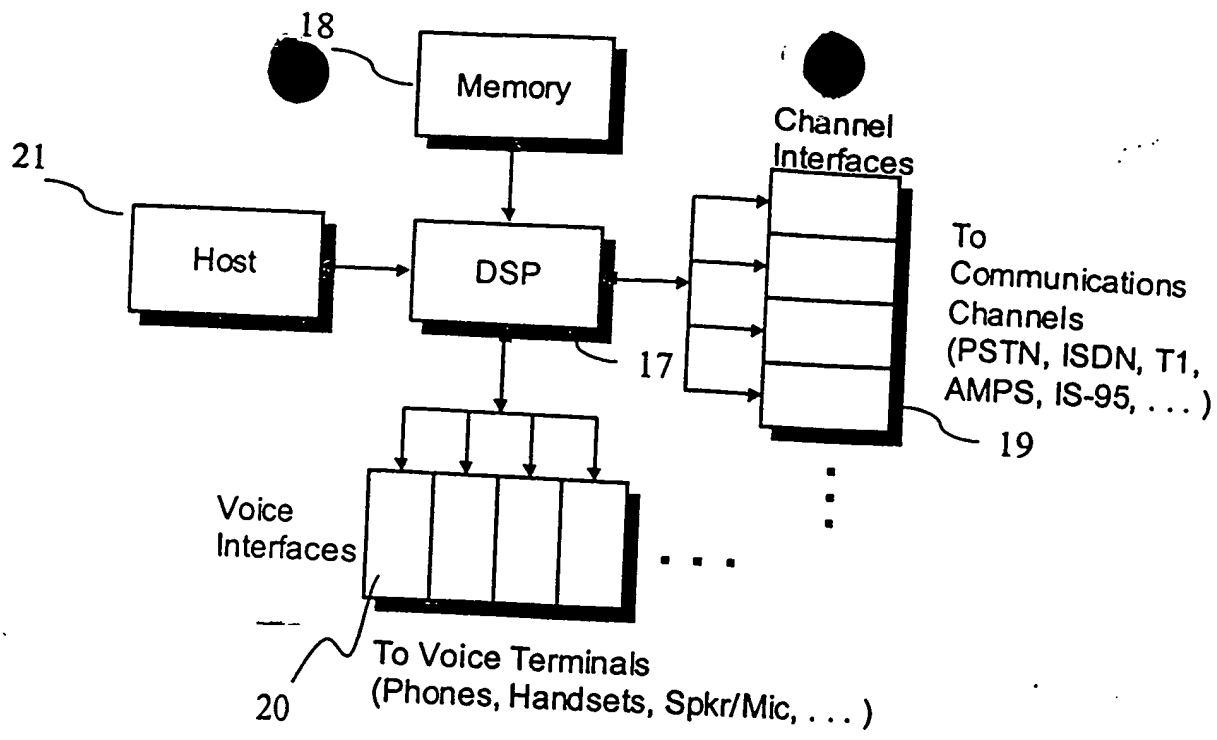


FIG. 3

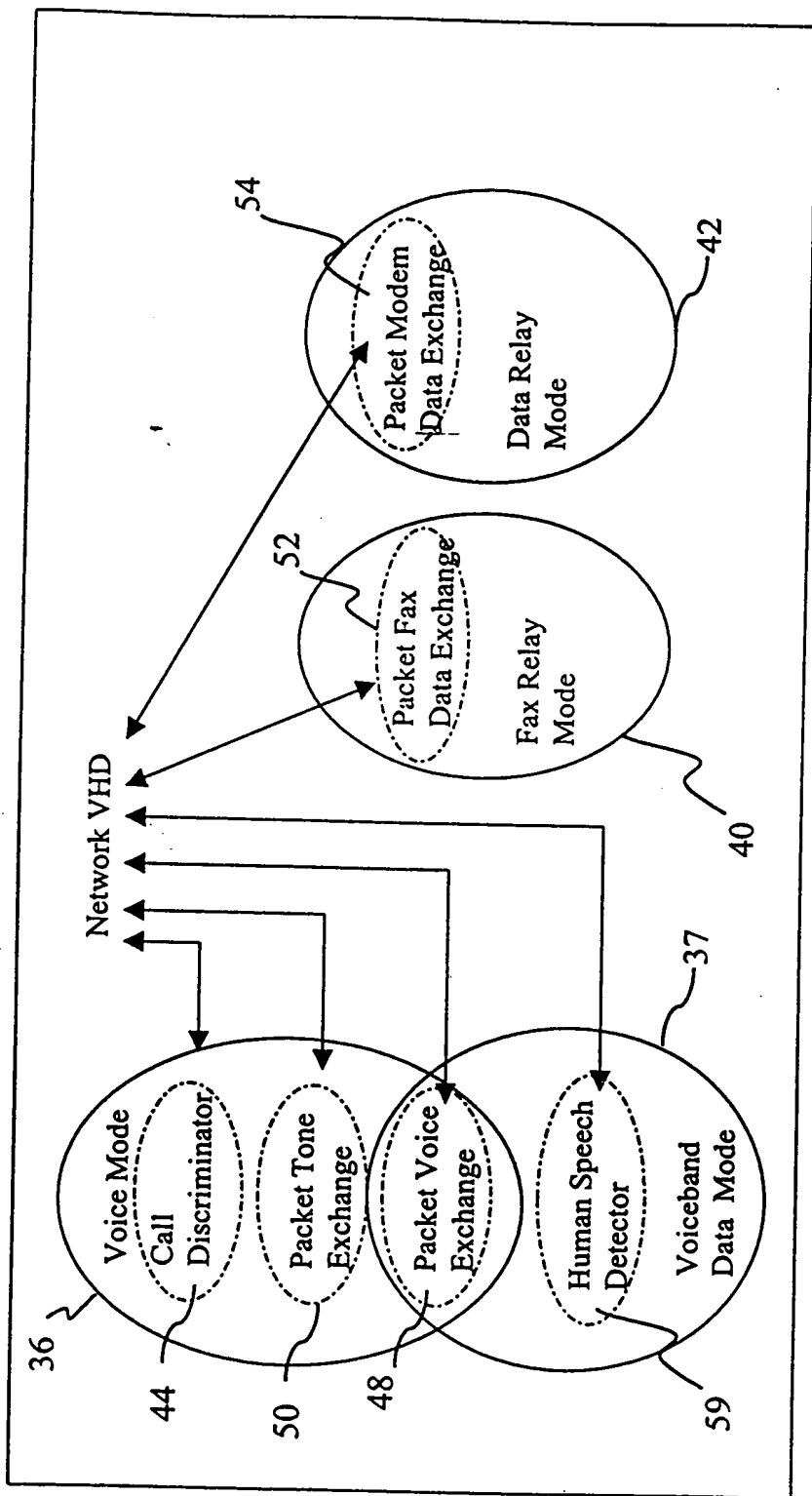


FIG. 4

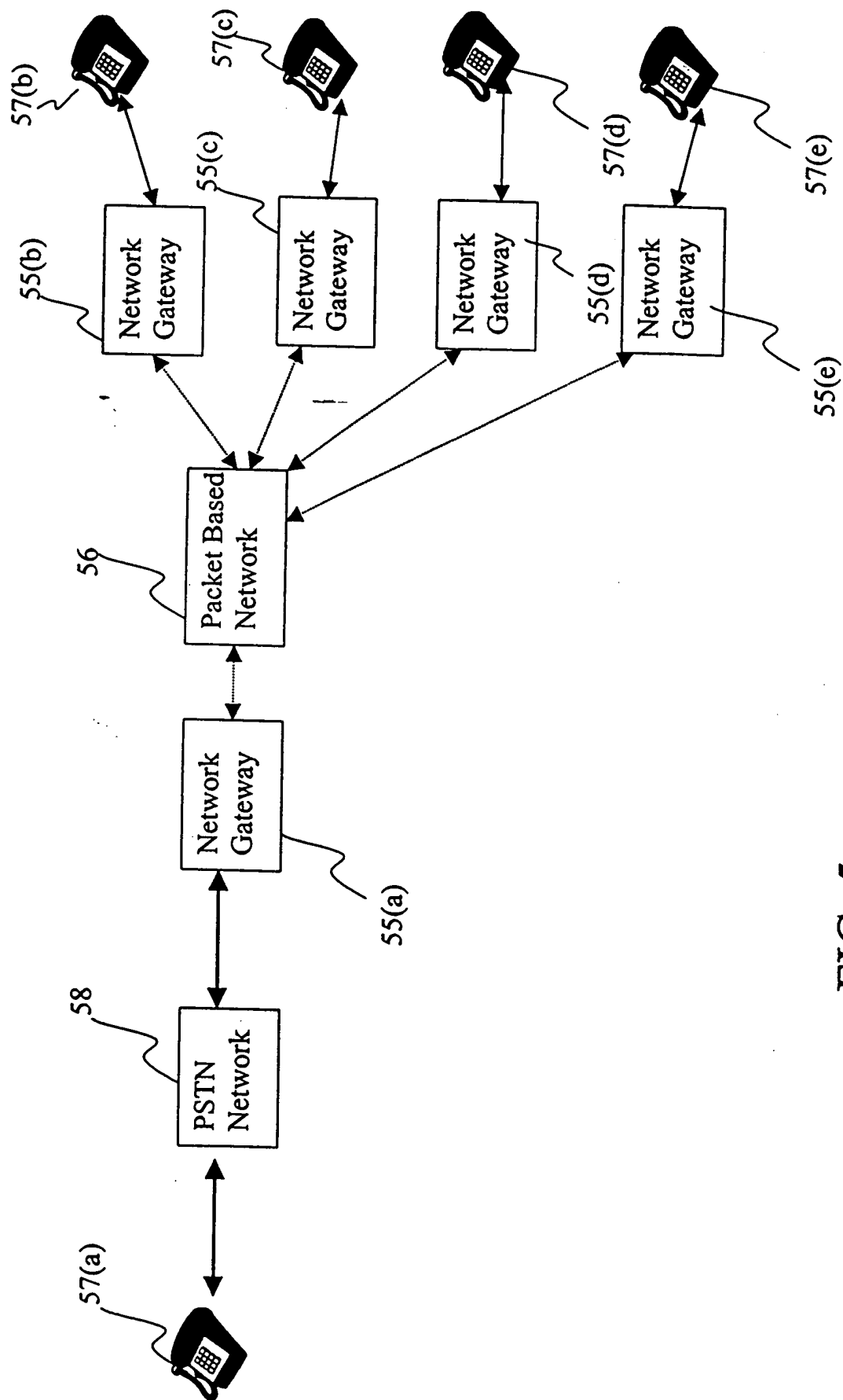
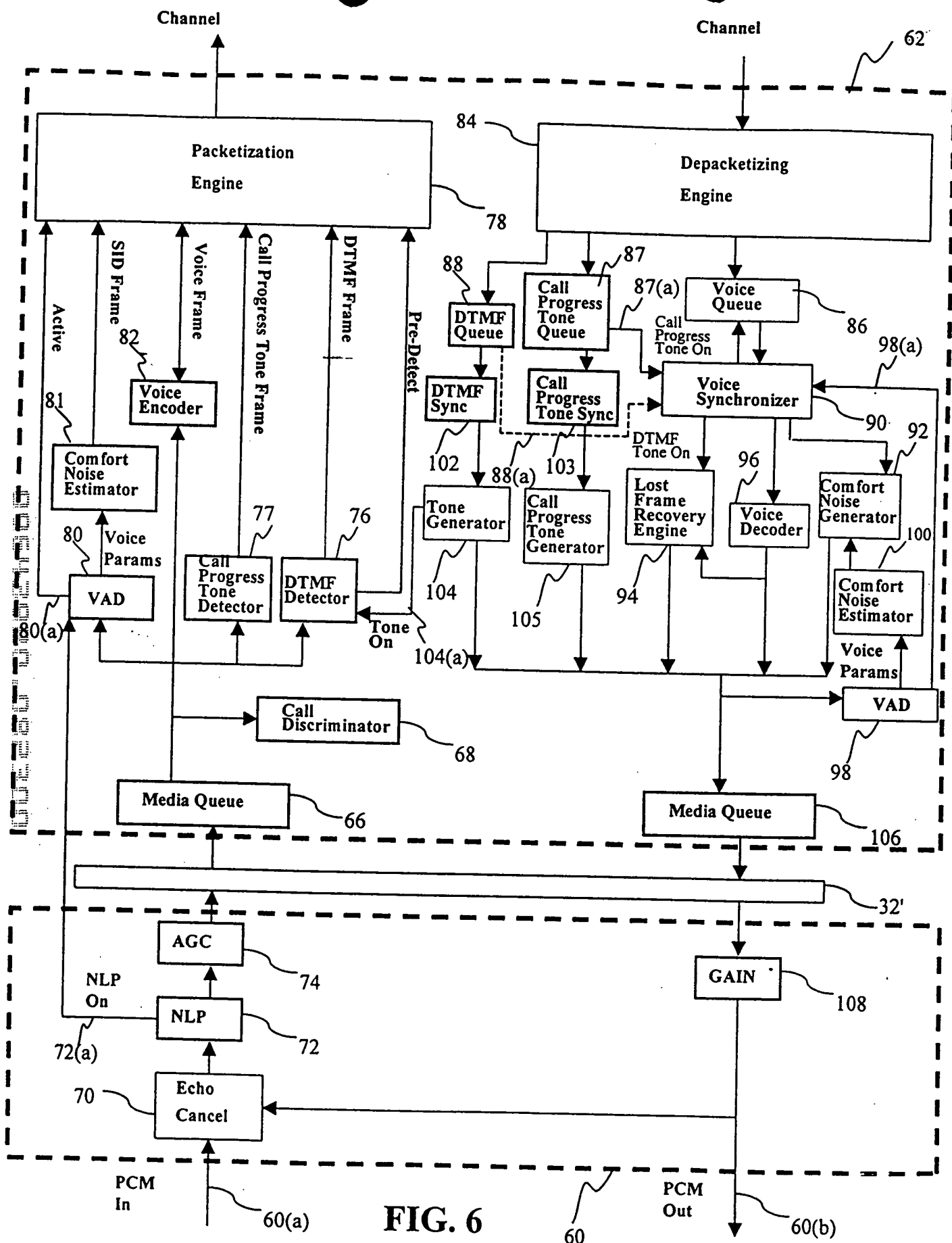
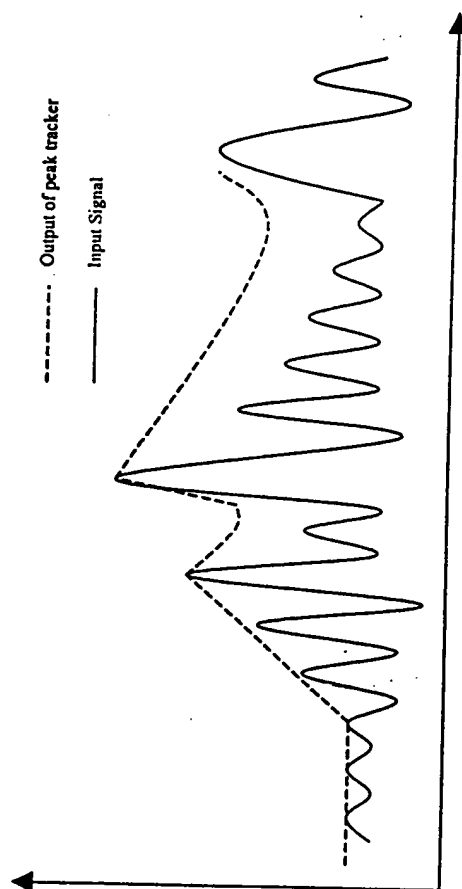
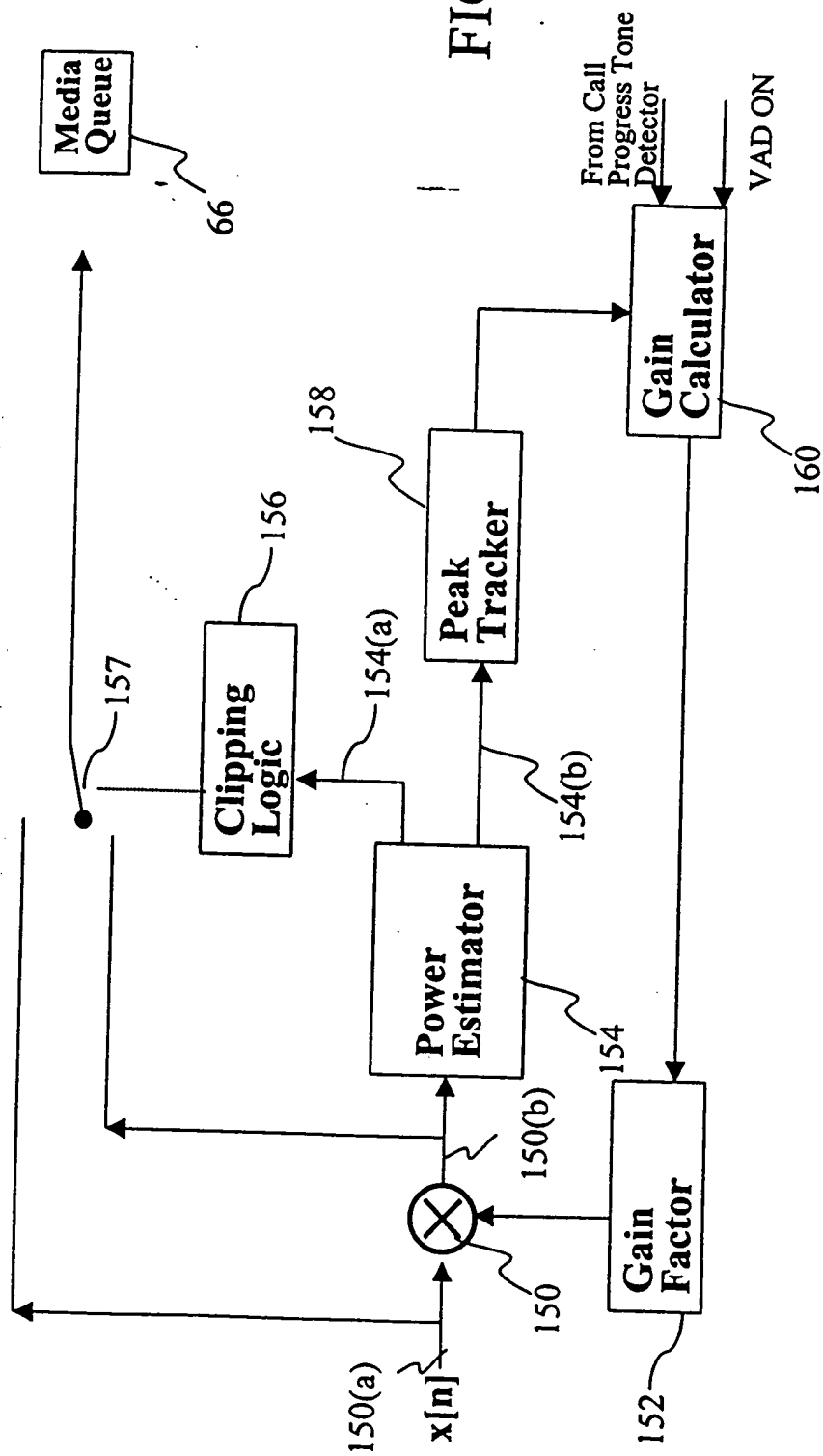


FIG. 5





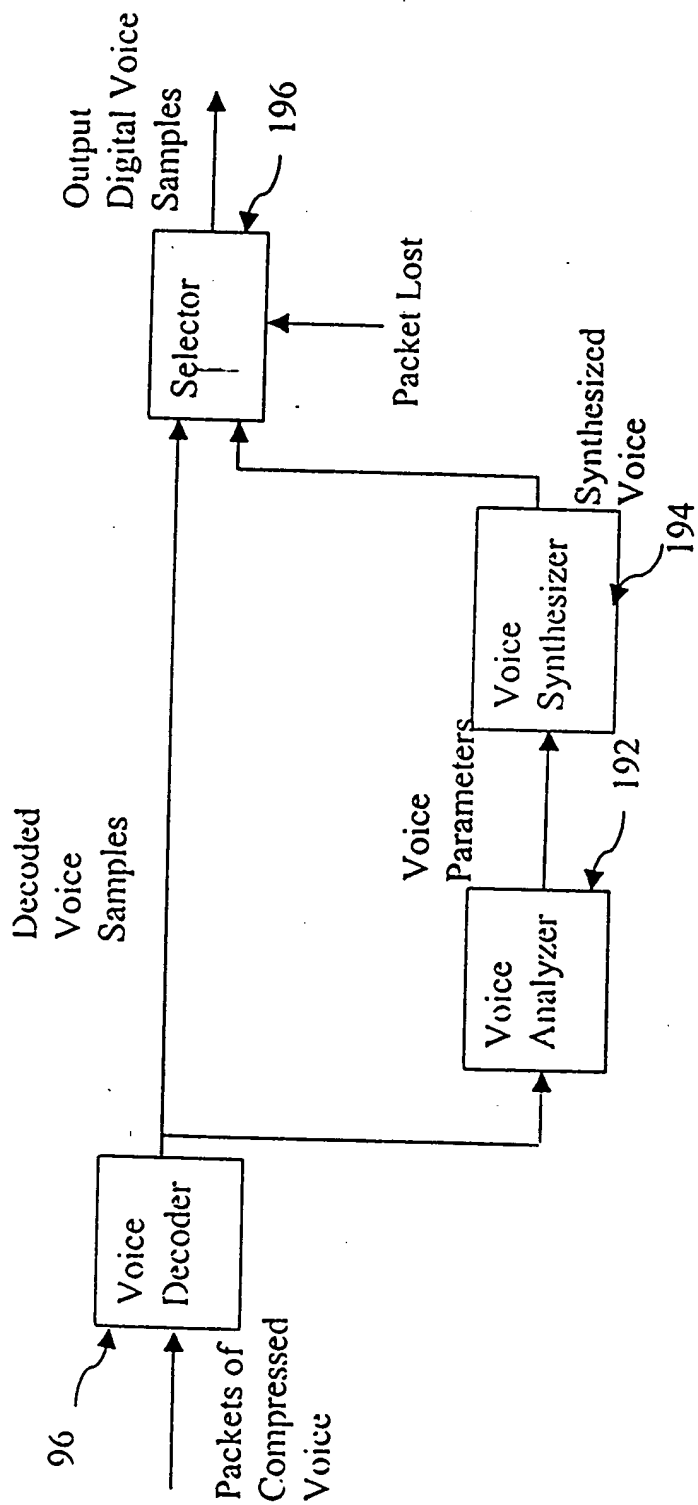


FIG. 12

```

graph TD
    Start([Start]) --> 191{Lost Packet?}
    191 -- N --> 213{Last Packet was Lost?}
    191 -- Y --> 193{First Lost Packet?}
    193 -- Y --> 195[Calculate LPC Parameters  
Calculate Pitch Period and Voicing]
    193 -- N --> 209{More than 12 Lost Packets?}
    195 --> 197{Voiced Speech?}
    197 -- Y --> 199[Calculate Residual Signal  
Excitation gain = 1]
    197 -- N --> 207[Determine Excitation Gain from Prediction Error Power]
    199 --> 201[Synthesize 5 ms of Speech]
    207 --> 201
    201 --> 203[Attenuate Gain Factor]
    203 --> 205[Output 5ms worth of Samples]
    205 --> Finish([Finish])
    205 --> 217[Update Speech Analysis Buffer]
    217 --> 213
    213 -- Y --> 215[Synthesize 2.5 ms of Speech  
Overlap Synthesized Speech and Decoded Speech]
    215 --> 217
    213 -- N --> 209
    209 -- Y --> 211[Generate Silence]
    209 -- N --> 201
    211 --> 205

```

FIG. 13A

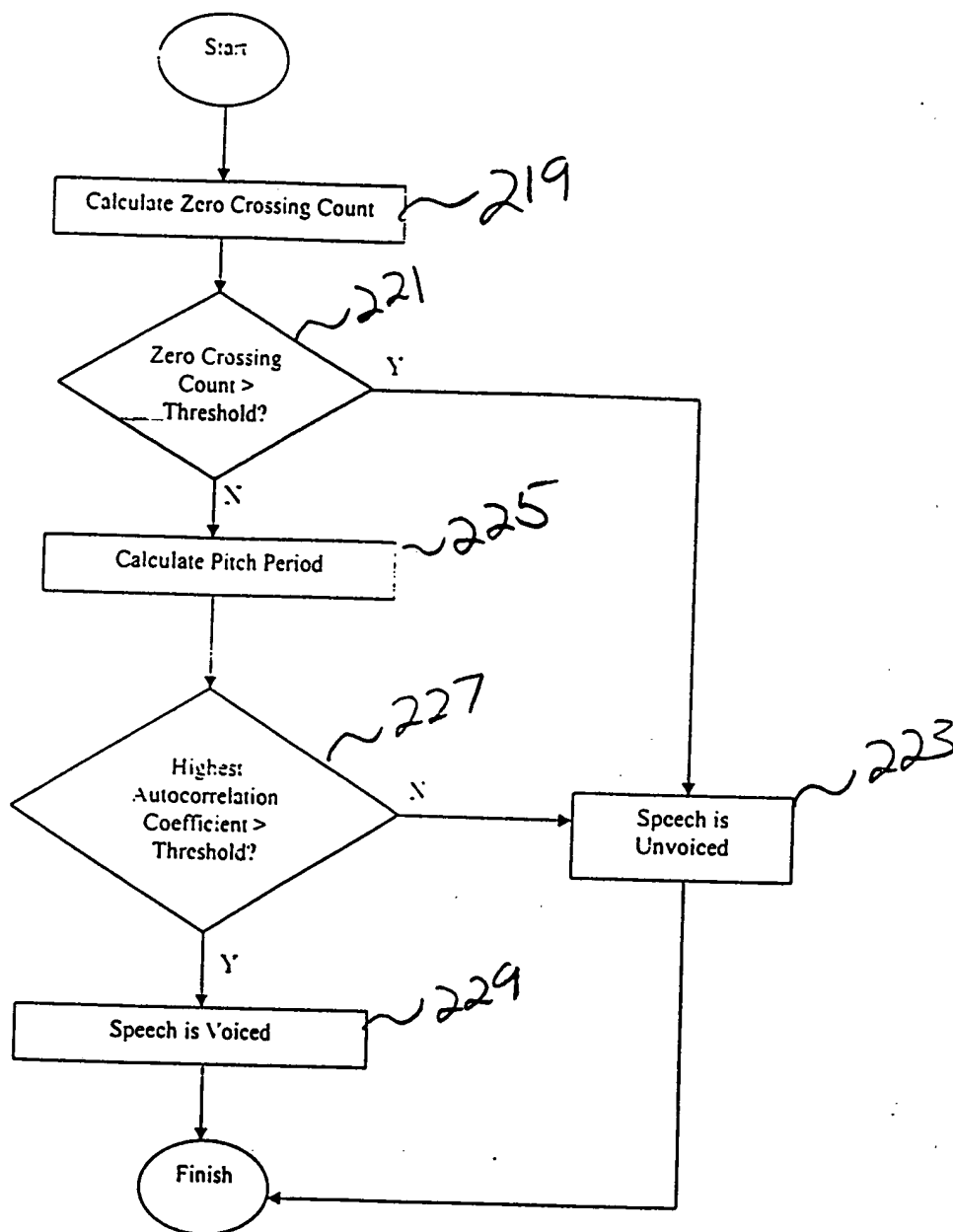
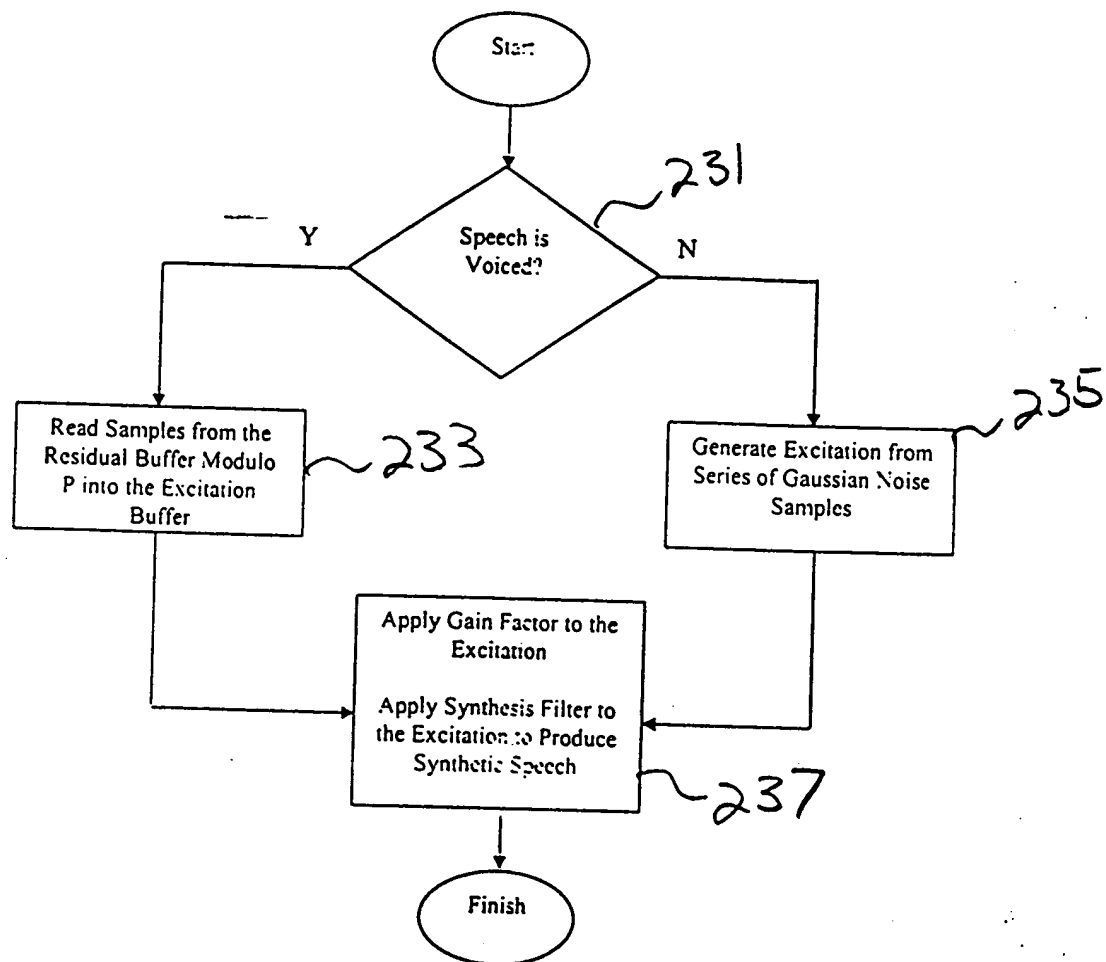
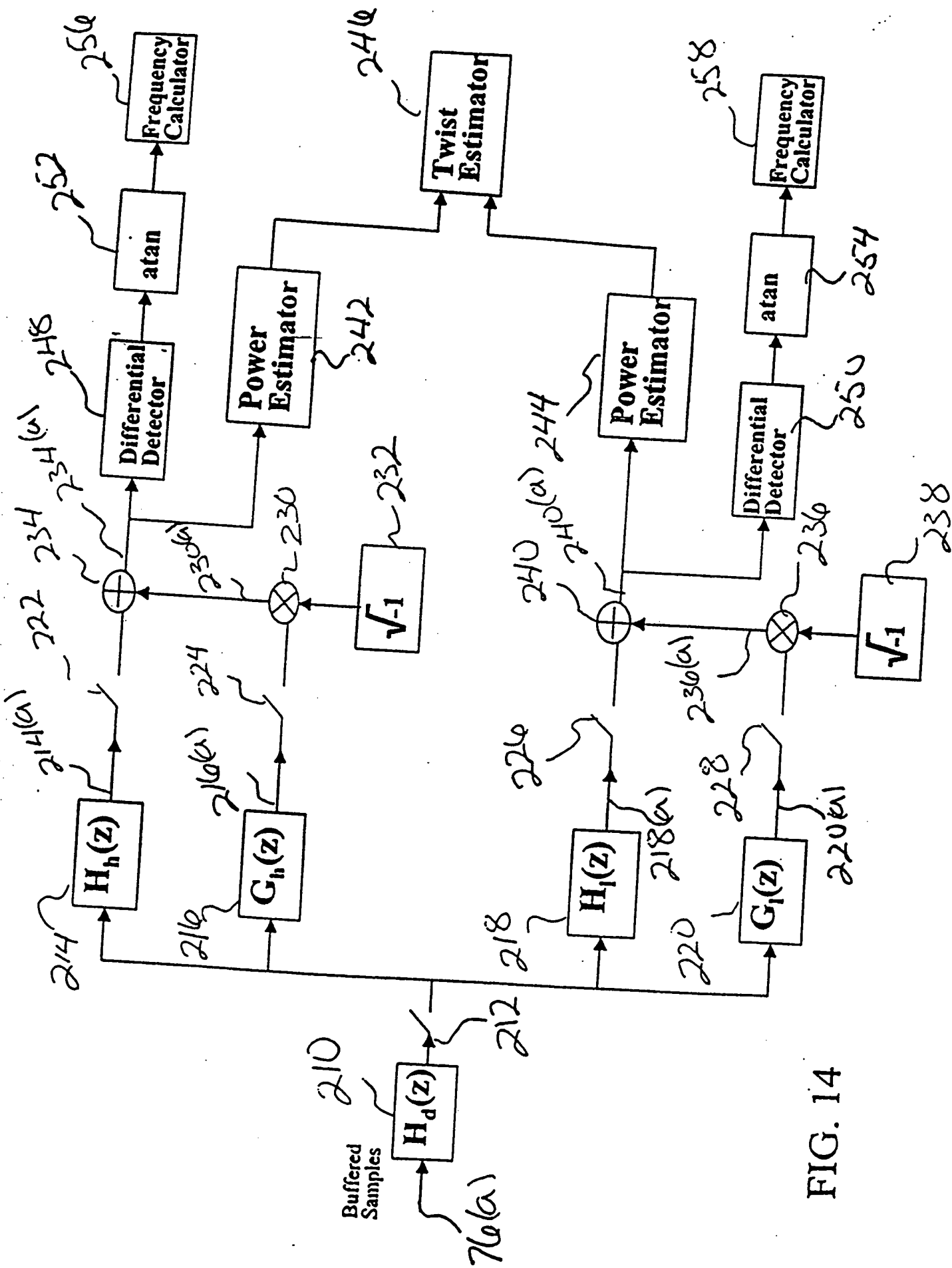


FIG. 13B





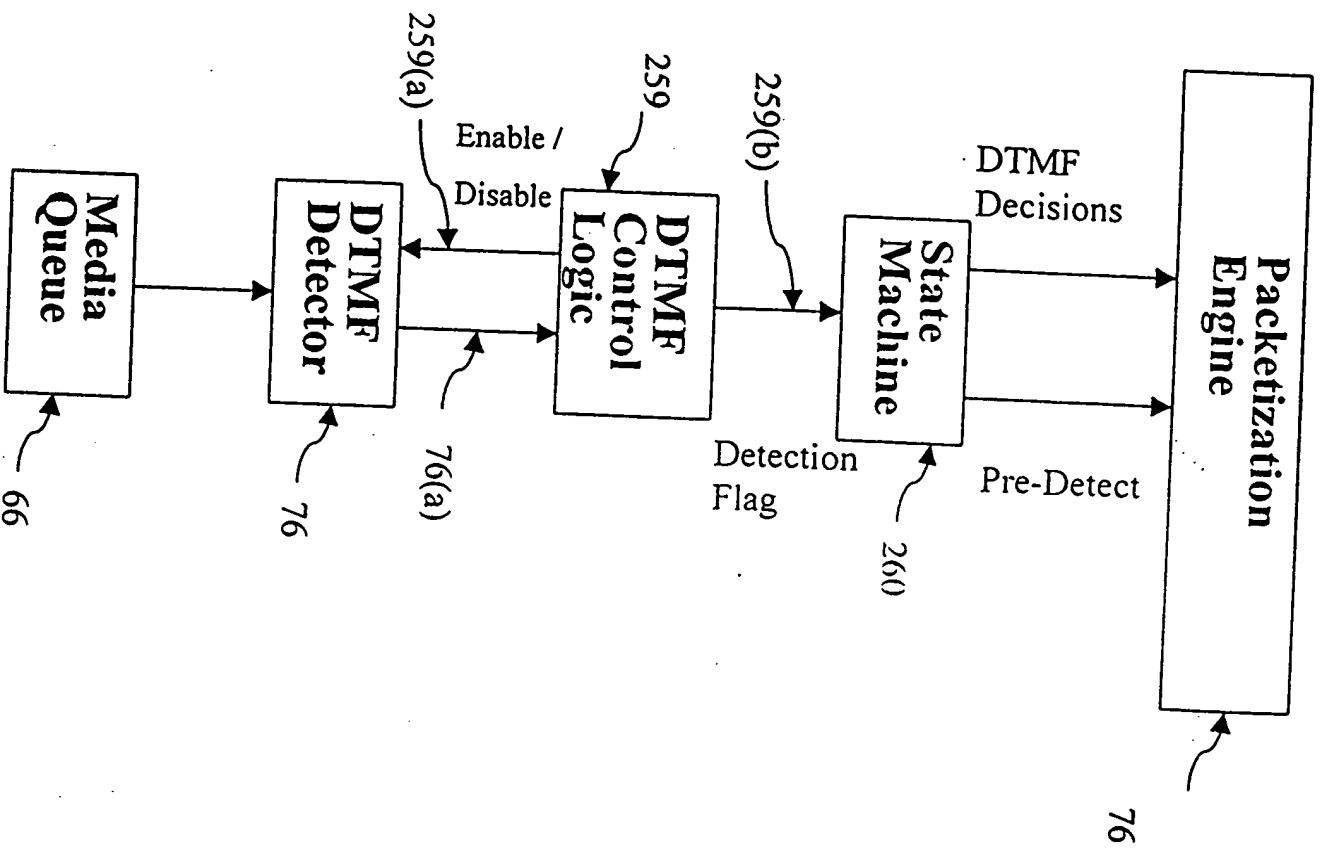


FIG. 14A

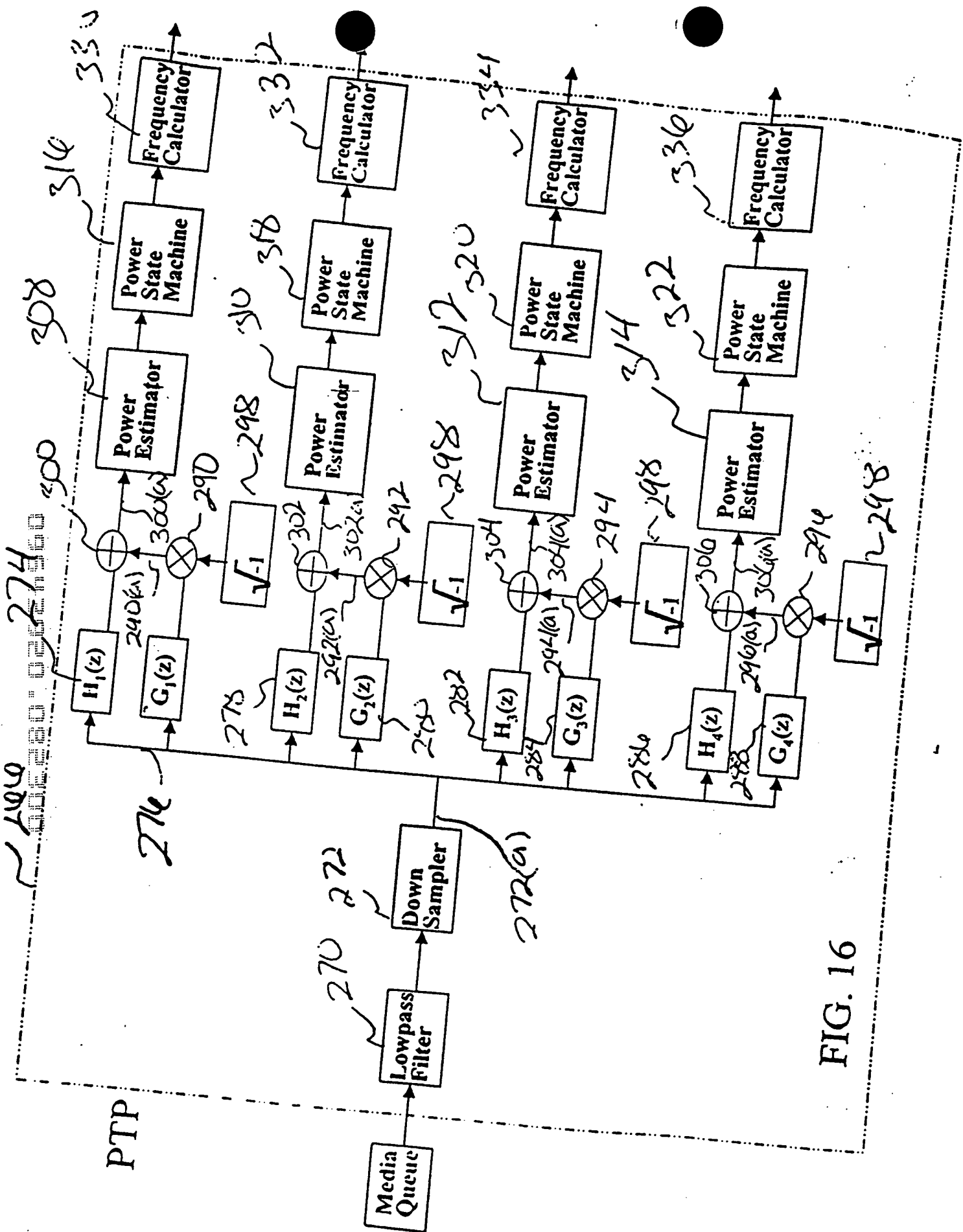


FIG. 16

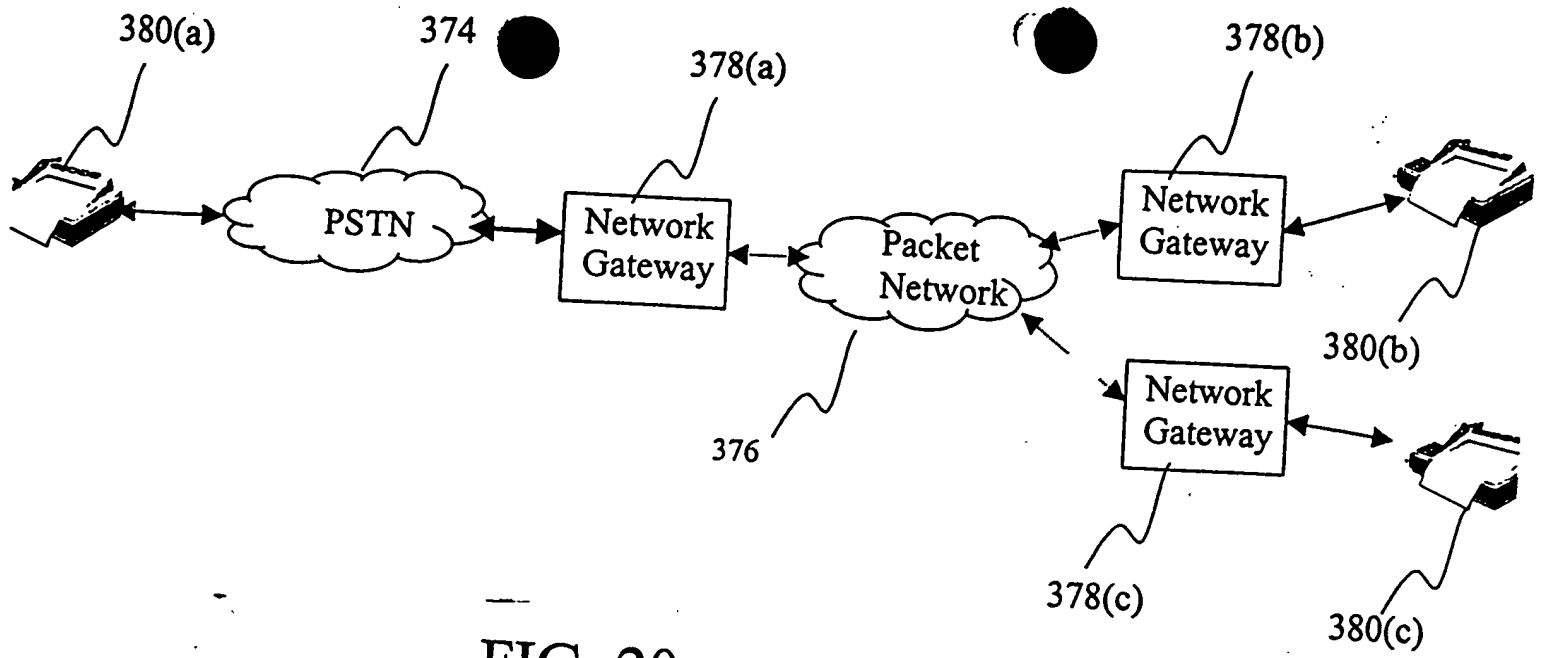


FIG. 20

100-443887-100

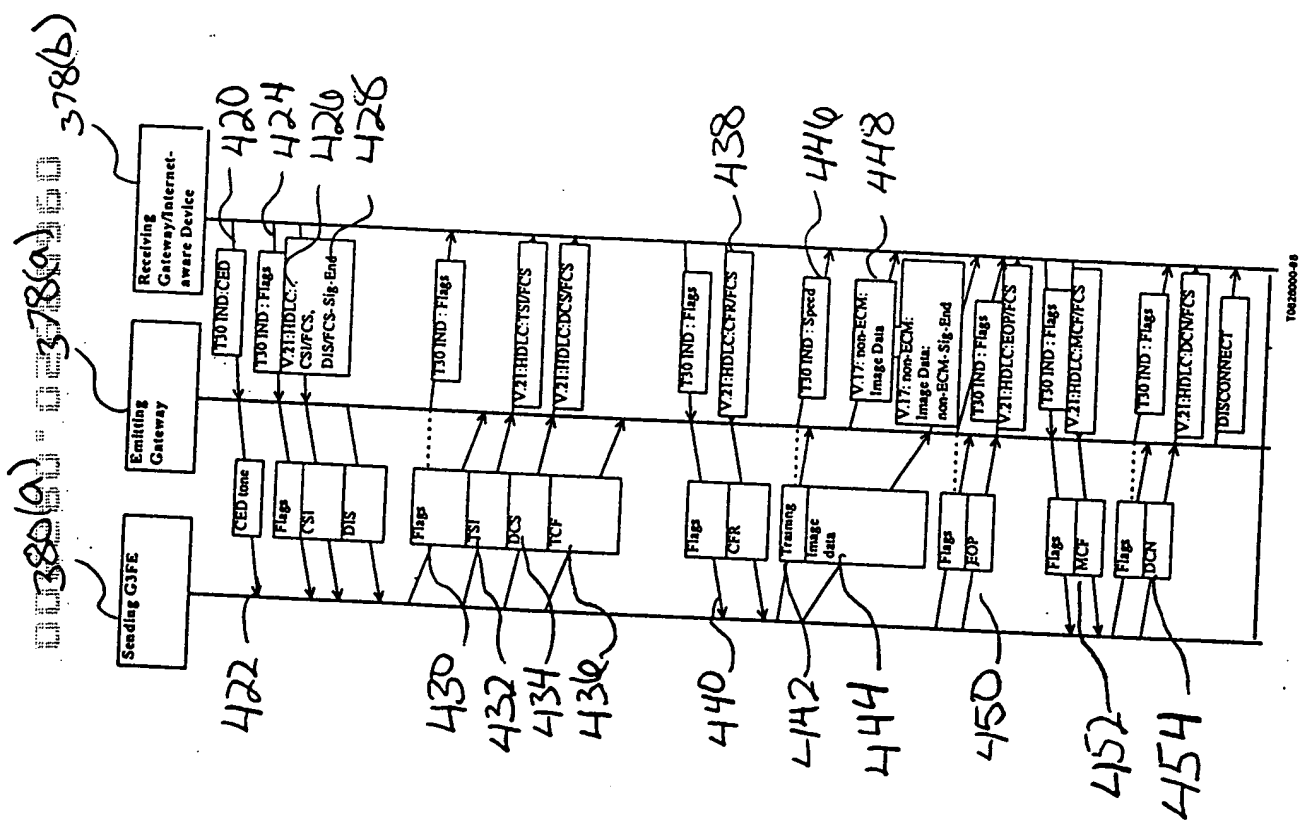


FIG. 22

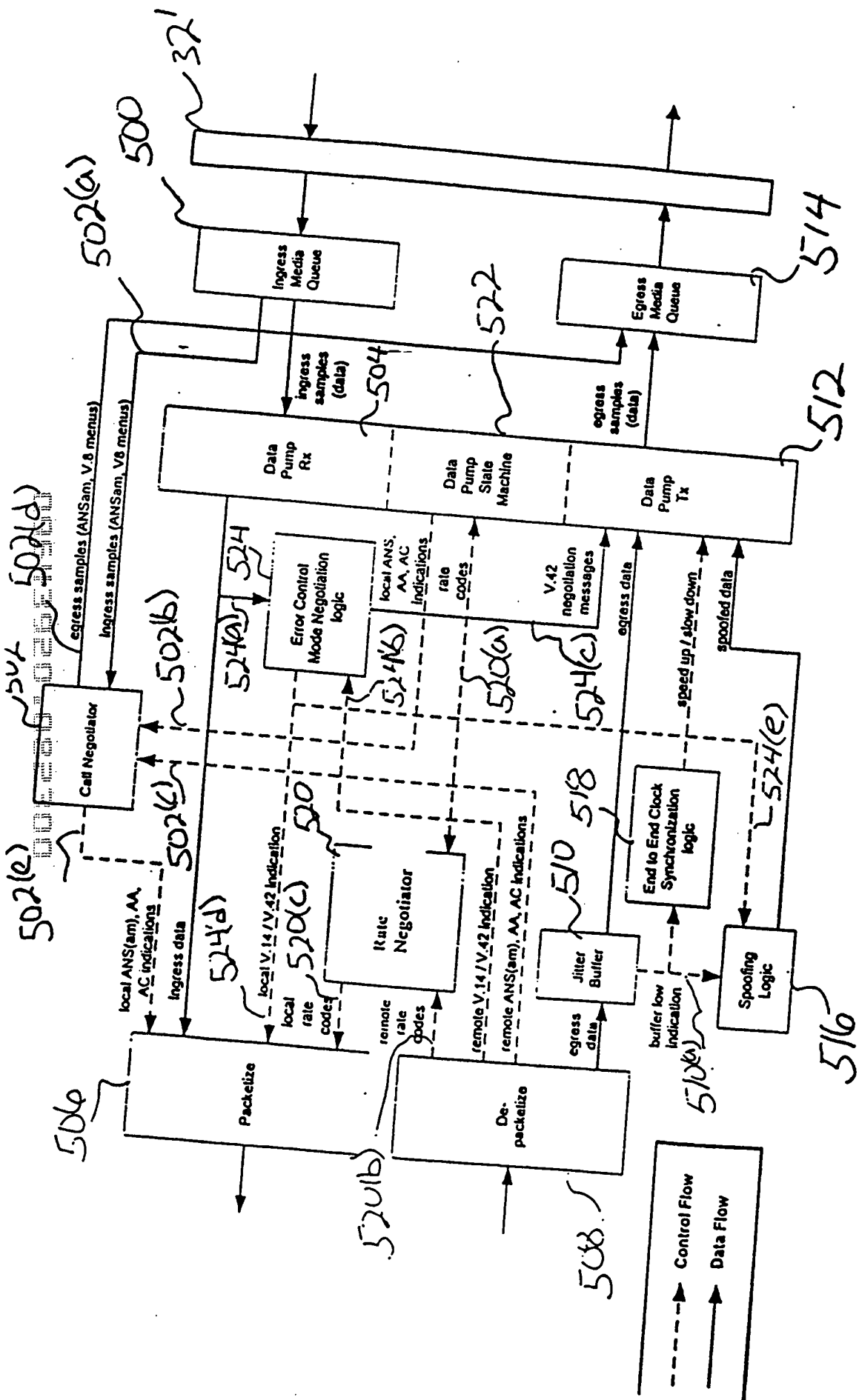


FIG. 25

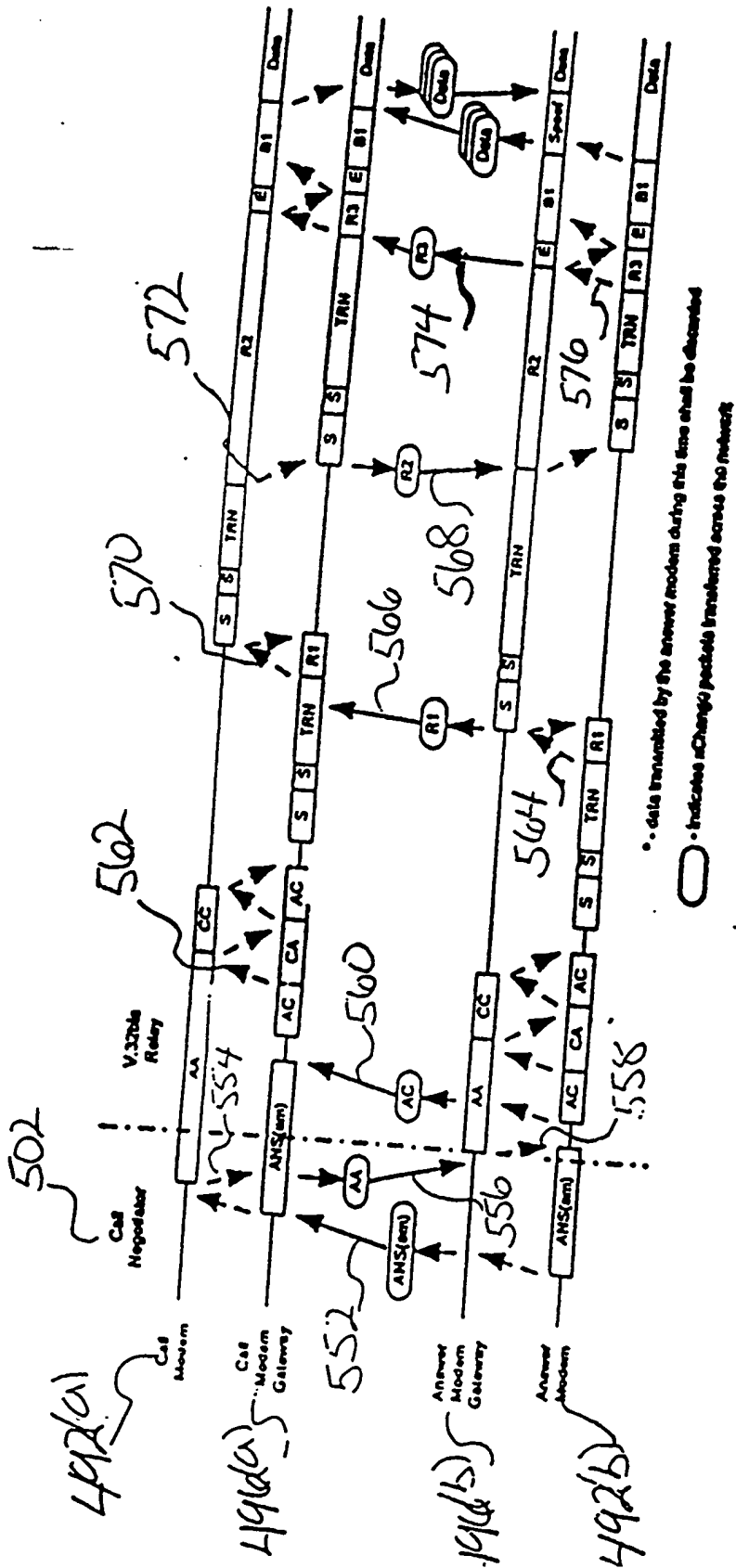
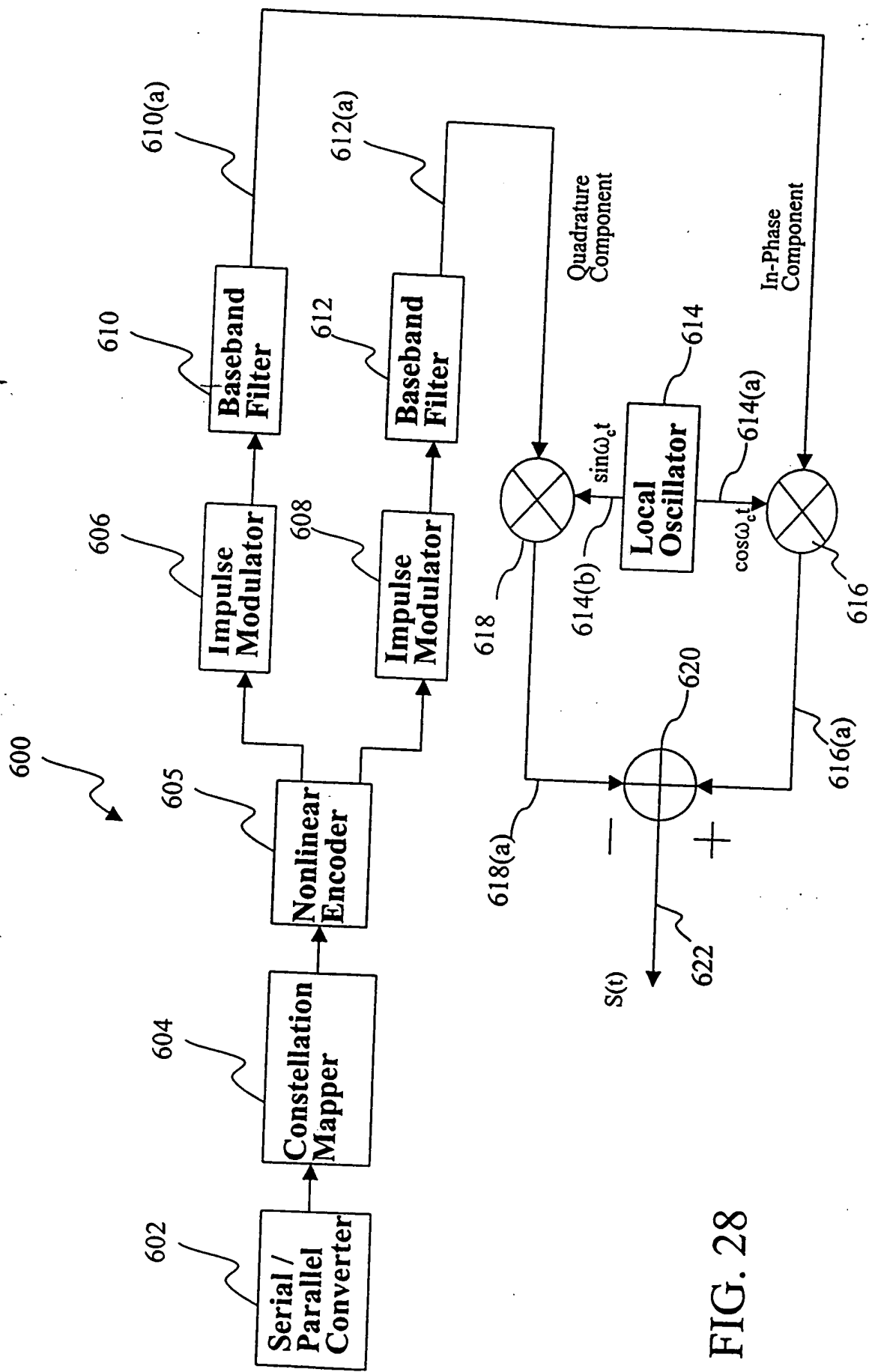


FIG. 27



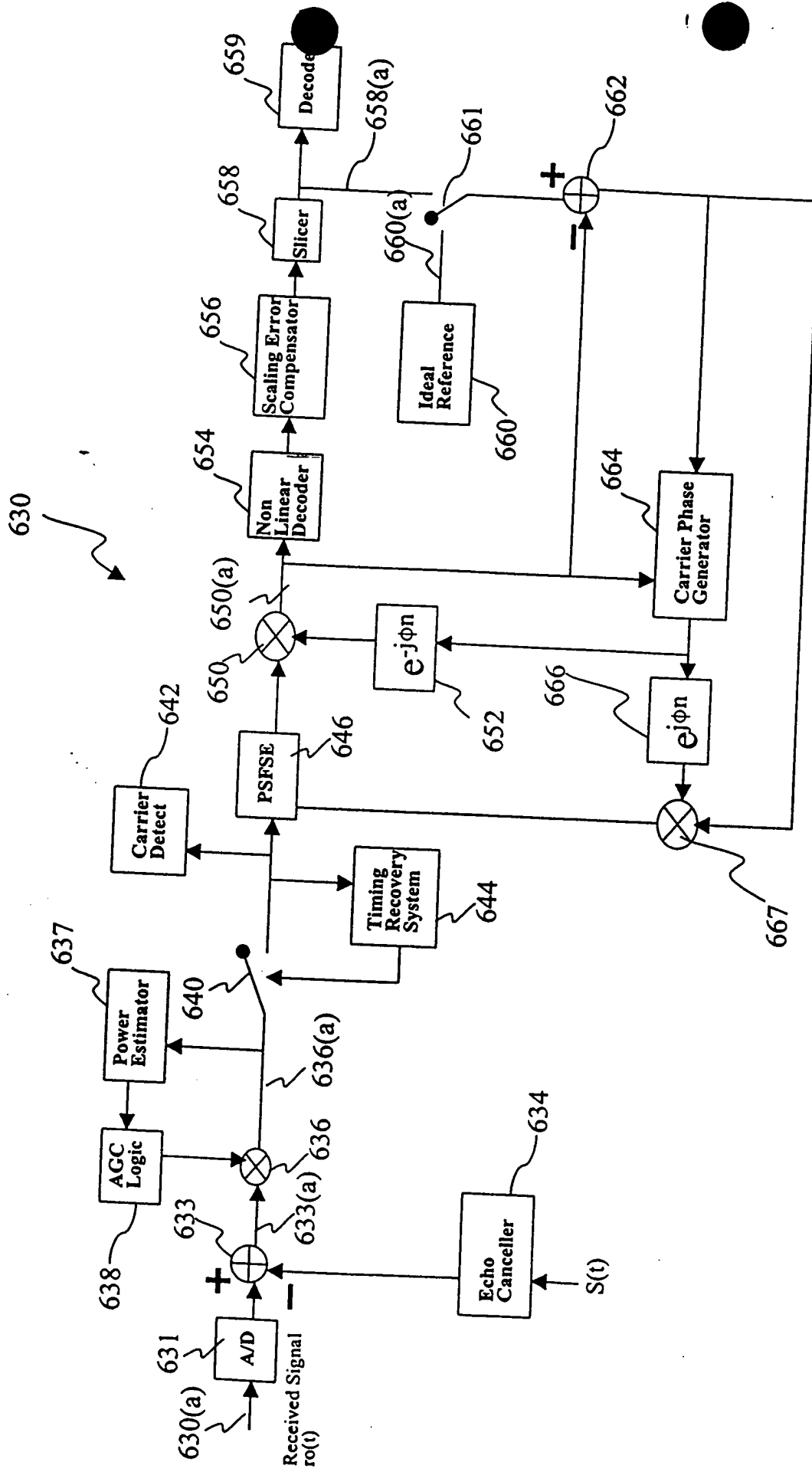


FIG. 29

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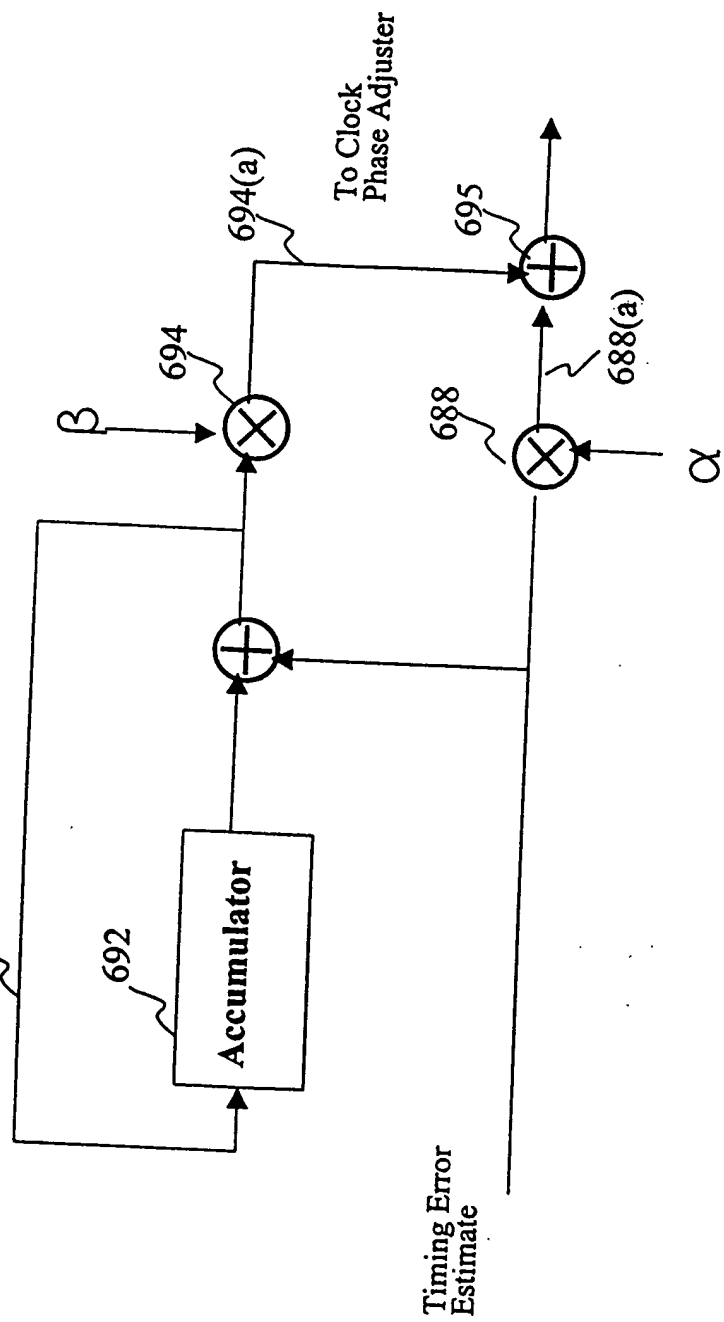
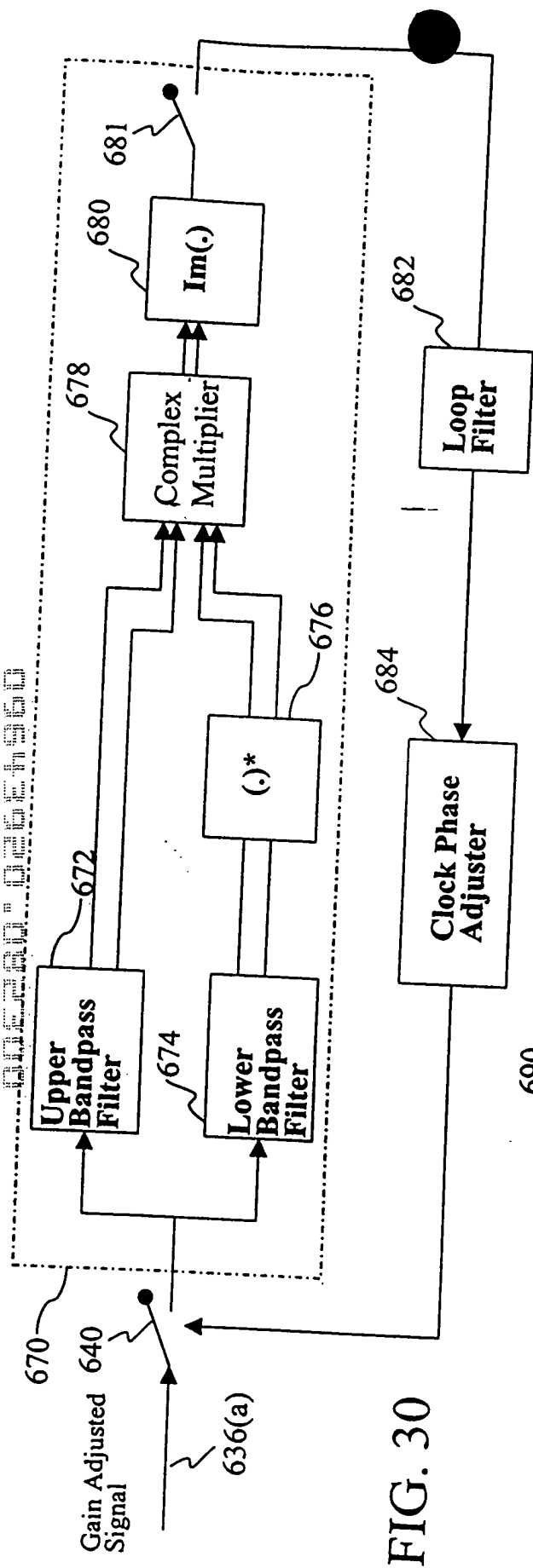


FIG. 32

FIG. 33

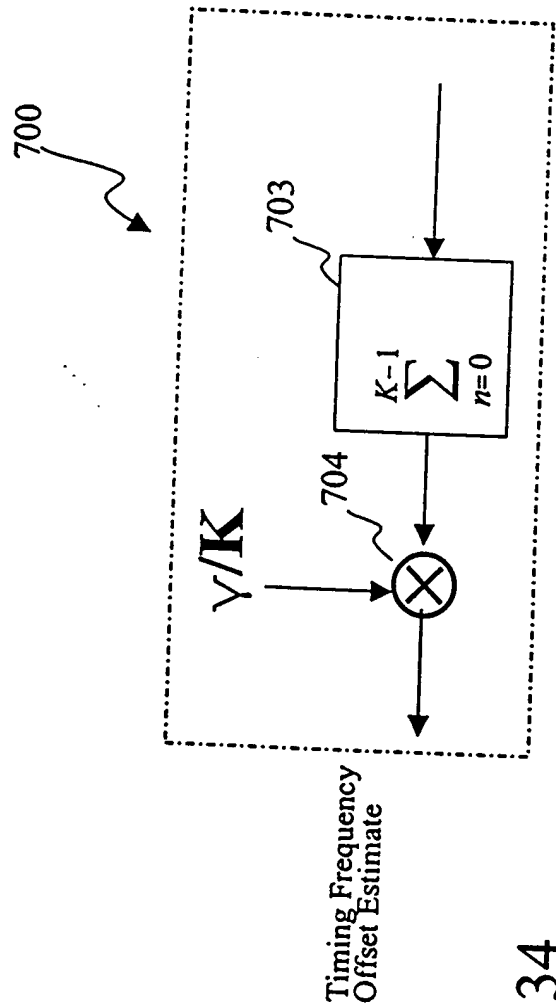


FIG. 34

